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8. (Amended) A rotodynamic pump comprising:
a housing having an axis and an inlet and an outlet in fluid communication with a chamber;
a shaftless rotor received in the chamber for selective rotation relative to the housing;
a drive for rotating the rotor relative to the housing including a drive element and a driven element operatively associated with the rotor; and
a fluid bearing including a stationary bearing element for rotatably supporting the rotor, the stationary bearing element having, in radial cross-section, a non-circular geometry.

[Please add new claims 21 and 22 as follows

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21. A rotodynamic pump comprising:
a housing having an axis, an inlet and outlet in fluid communication with a chamber;
a rotor having an impeller received in the chamber; and
a stationary bearing element extending within the rotor for rotatably supporting the rotor, the stationary bearing element having, in radial cross-section, a non-circular geometry.

22. A rotodynamic pump comprising:
a housing having an axis, an inlet and outlet in fluid communication with a chamber;
a rotor having an impeller received in the chamber;
a stationary bearing element for rotatably supporting the rotor, the stationary bearing element having, in radial cross-section, a non-circular geometry; and
a magnetic drive element for driving the rotor, the drive element being radially offset relative